Figure 3 is a front view of the holding part with securing devices.

Figure 4 illustrates the device in a folded position.

Figures ~~5-7~~ 5-8 illustrate an alternative embodiment of the device.

Change(s) applied to document, /A.E.M./ 4/20/2011

DETAILED DESCRIPTION OF THE INVENTION

In figures 1-4 the device is illustrated with a carrier part 2 fitted over a fork structure 9 which may belong to a hoisting crane, fork lift truck, tractor or other implement carrier. It can be seen in the figures that the carrier part 2 is in the form of one or more sleeves inserted in the fork structures. A holding part 6 is shown mounted at the end of the carrier part 2 and in addition securing devices 1 in the form of magnets are affixed to the holding part 6.

One or more magnets 1 create a magnetic field with a field strength which is such that the forces acting on the object concerned are sufficient to enable the object to be held, lifted and moved. In figures 1-4 the device is equipped with five magnets. The trigger is illustrated here as a guide part 3 in the form of a hinged lever arm which by means of an actuator distances the object in order to achieve release of the object from the magnets 1. In figure 1 the guide part 3 is illustrated in a retracted position and in figure 2 the guide part 3 is illustrated in projecting position. As can be seen in figures 1 and 2 the actuator employed for rotating the guide part 3 is composed of a telescopable fork structure. A line 10 is attached to a stationary part of the fork structure 9 by means of a bolt 11. When the fork structure is telescoped outwards, the line will be tightened, thereby causing the guide part 3 to be rotated to a position where an object can be released from the magnets 1.

One or more removable holding edges 4 for extra holding force may be mounted on the holding part 6. The holding edge(s) are designed according to requirements. The holding part 6 may be fixed or suspended in a hinge point 7. If objects require to be lifted from their top surface, the holding part 6 can be swung forwards to a horizontal or other desired position and locked in the desired position. The holding part 6 is illustrated here connected to the carrier part 2 by a hinge 7 in the lower edge. A support structure 5 may furthermore be connected to the holding part 6 and the carrier part 2. The support structure 5 may be attached at the lower edge by a hinge 8 to the carrier part 2.

As illustrated in figure 4 the device can be folded up by releasing the connection between the support structure 5 and the holding part 6. The holding part 6 is then laid backwards into a lying position. The support structure 5 is then laid forwards and will lie on top of the holding part 6. On the support structure 5 there may be